

CLAIMS

1. A control device of a vehicle-driving motor,  
comprising:

torque-controlling means for controlling the torque of  
the vehicle-driving motor;

stall-detecting means for detecting a stalled state of  
the vehicle;

temperature-detecting means for detecting temperatures  
of coils each supplying an alternating current to a  
corresponding phase of the motor;

current-phase-detecting means for detecting a phase of  
currents flowing in the motor; and

temperature-selecting means for selecting one of the  
temperatures detected by the temperature-detecting means on  
the basis of the phase detected by the current-phase-  
detecting means, wherein

the torque-controlling means reduces the torque when  
the stall-detecting means detects a stalled state of the  
vehicle, and when the temperature selected by the  
temperature-detecting means exceeds a restrictive  
temperature.

2. The control device of the vehicle-driving motor  
according to Claim 1, wherein

the temperature-selecting means selects a temperature of a predetermined phase when the phase detected by the current-phase-detecting means is within a predetermined range where a maximum current flows in the predetermined phase.

3. The control device of the vehicle-driving motor according to Claim 1 or 2, wherein

the phase is calculated on the basis of a rotational angle of the motor.